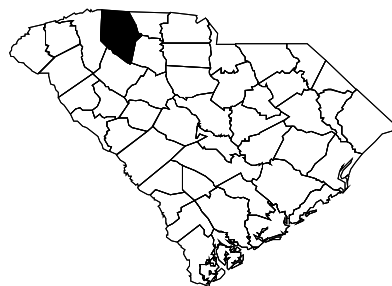


# IMPACT OF CHRONIC CONDITIONS SPARTANBURG County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Spartanburg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Spartanburg county's population is similar to the state's. The majority (38%) of the population in Spartanburg county are between the ages 18-44, and there are more females (51%) than males (49%). However, Spartanburg county has a lower minority population (23%) than the state (31%). When adults in DHEC's Region 2, which includes Spartanburg County, were asked about their general health status, 84.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	SPARTANBURG COUNTY	STATE
<b>Population size</b>	266,809	4,255,083
<b>Age distribution (%)</b>		
<18	24	24
18-44	38	38
45-64	26	25
65-84	11	11
85+	2	2
<b>Race (%)</b>		
White	77	69
Black & Other	23	31
<b>Sex (%)</b>		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Spartanburg County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	22
Sedentary lifestyle	28	26
Overweight	64	65
High Cholesterol	39	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	33.1	.	.	.	.	31.7
Number of hospitalizations	318	159	158	155	163	5,032
Crude rate of hospitalizations (per 100,000)	119	255	77	119	119	118
Median age of hospitalized patients	57	52	62	52	62	57
Total cost of hospitalization (\$)	9,251,800	4,517,700	4,734,100	4,390,800	4,861,000	109,400,500
Average length of hospital stay (days)	6	6	6	6	6	5
Number of ED visits	539	272	263	261	278	7,466
Crude rate of ED visits (per 100,000)	202	436	129	201	203	175
Median age of ED patients	47	47	57	47	52	52
Total cost of ED visits (\$)	649,500	349,600	299,900	338,300	311,200	9,929,000
Number of deaths**	23	10	12	6	17	423
Age-Adjusted Death rate (per 100,000)**	9	28	5	5	11	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	3,271	521	2,747	1,806	1,465	60,901
Crude rate of hospitalizations (per 100,000)	1,226	836	1,343	1,388	1,072	1,431
Median age of hospitalized patients	67	62	67	67	72	67
Total cost of hospitalization (\$)	134,623,500	18,985,000	115,638,500	79,109,400	55,514,100	2,286,836,400
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	847	231	615	394	453	12,989
Crude rate of ED visits (per 100,000)	317	371	301	303	331	305
Median age of ED patients	62	52	62	57	67	62
Total cost of ED visits (\$)	2,885,700	671,000	2,214,700	1,544,200	1,341,500	42,115,900
Number of deaths**	589	95	492	310	279	9,328
Age-Adjusted Death rate (per 100,000)**	214	233	212	278	165	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.2	.	.	.	.	3
Number of hospitalizations	1,185	213	970	573	612	13,925
Crude rate of hospitalizations (per 100,000)	444	342	474	440	448	327
Median age of hospitalized patients	72	62	72	67	72	72
Total cost of hospitalization (\$)	38,824,400	8,718,800	30,105,600	19,208,000	19,616,400	384,441,600
Average length of hospital stay (days)	6	8	5	6	6	6
Number of ED visits	103	23	80	43	60	2,515
Crude rate of ED visits (per 100,000)	39	37	39	33	44	59
Median age of ED patients	67	57	67	62	72	67
Total cost of ED visits (\$)	442,900	85,700	357,200	175,000	267,900	9,113,000
Number of deaths**	169	34	135	62	107	2,440
Age-Adjusted Death rate (per 100,000)**	63	81	59	60	63	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,140	174	966	395	745	15,753
Crude rate of hospitalizations (per 100,000)	427	279	472	304	545	370
Median age of hospitalized patients	62	57	62	67	62	62
Total cost of hospitalization (\$)	24,353,300	3,073,300	21,280,000	8,198,200	16,155,100	268,425,300
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	2,628	1,077	1,551	1,129	1,499	36,543
Crude rate of ED visits (per 100,000)	985	1,728	759	868	1,097	859
Median age of ED patients	37	27	42	32	37	37
Total cost of ED visits (\$)	2,519,400	890,100	1,629,300	1,075,300	1,444,100	40,613,700
Number of deaths**	158	16	142	82	76	1,968
Age-Adjusted Death rate (per 100,000)**	59	41	62	78	48	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.3	.	.	.	.	10.3
Number of hospitalizations	466	174	292	236	230	9,027
Crude rate of hospitalizations (per 100,000)	175	279	143	181	168	212
Median age of hospitalized patients	47	47	52	52	47	52
Total cost of hospitalization (\$)	11,857,800	4,730,500	7,127,300	6,150,300	5,707,500	179,747,700
Average length of hospital stay (days)	6	6	5	6	6	6
Number of ED visits	601	283	318	268	333	9,603
Crude rate of ED visits (per 100,000)	225	454	156	206	244	226
Median age of ED patients	52	52	52	47	52	52
Total cost of ED visits (\$)	814,000	353,100	460,900	338,200	475,800	13,447,300
Number of deaths**	75	18	57	37	38	1,183
Age-Adjusted Death rate (per 100,000)**	28	42	25	32	24	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,259	254	1,001	633	626	16,389
Crude rate of hospitalizations (per 100,000)	472	407	490	486	458	385
Median age of hospitalized patients	67	62	67	67	67	62
Total cost of hospitalization (\$)	53,913,700	11,028,900	42,884,800	27,277,900	26,635,800	664,309,500
Average length of hospital stay (days)	7	8	7	7	7	8
Number of deaths**	603	117	480	323	280	8,617
Age-Adjusted Death rate (per 100,000)**	217	279	206	283	174	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	122	26	94	64	58	2,070
Crude rate of hospitalizations (per 100,000)	46	42	46	49	42	49
Median age of hospitalized patients	67	72	67	67	72	67
Total cost of hospitalization (\$)	6,486,500	1,928,500	4,558,000	3,480,800	3,005,700	101,377,700
Average length of hospital stay (days)	9	11	8	8	9	10
Number of deaths**	43	12	31	21	22	812
Age-Adjusted Death rate (per 100,000)**	16	30	13	18	14	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	105	22	83	-	105	1,228
Crude rate of hospitalizations (per 100,000)	77	69	79	-	87	56
Median age of hospitalized patients	67	60	67	-	67	62
Total cost of hospitalization (\$)	1,910,100	410,600	1,499,500	-	1,910,100	26,163,000
Average length of hospital stay (days)	2	3	2	-	2	3
Number of deaths**	42	5	37	-	42	651
Age-Adjusted Death rate (per 100,000)**	27	19	29	-	27	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	32	13	19	-	32	192
Crude rate of hospitalizations (per 100,000)	23	41	18	-	23	9
Median age of hospitalized patients	47	52	47	-	47	47
Total cost of hospitalization (\$)	719,700	264,600	455,100	-	719,700	4,668,500
Average length of hospital stay (days)	3	3	3	-	3	4
Number of deaths**	5	3	2	-	5	63
Age-Adjusted Death rate (per 100,000)**	4	12	2	-	4	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	221	33	186	132	89	2,181
Crude rate of hospitalizations (per 100,000)	83	53	91	101	65	51
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	9,142,900	1,214,700	7,928,200	4,811,400	4,331,500	92,775,300
Average length of hospital stay (days)	8	8	8	7	9	9
Number of deaths**	211	41	167	123	88	2,703
Age-Adjusted Death rate (per 100,000)**	75	94	71	101	55	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	109	34	75	109	-	1,209
Crude rate of hospitalizations (per 100,000)	84	112	75	81	-	58
Median age of hospitalized patients	67	67	67	67	-	62
Total cost of hospitalization (\$)	2,838,500	892,000	1,946,500	2,838,500	-	30,356,600
Average length of hospital stay (days)	4	4	4	4	-	4
Number of deaths**	35	8	27	35	-	460
Age-Adjusted Death rate (per 100,000)**	38	74	33	38	-	30

\*Prevalence estimates at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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